

BEGG

Appl. No. 10/812,917

August 3, 2006

Please amend the title at page 7, before claim 1:

CLAIMS WHAT IS CLAIMED IS:

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of forming an electrical MRIS shim coil ~~which comprises, said method comprising:~~
forming ~~thea~~ required coil pattern in a sheet of electrically conductive material by cutting or punching.
2. (Currently Amended) A method ~~according to~~as in claim 1 wherein the pattern is punched from the sheet.
3. (Currently Amended) A method ~~according to~~as in claim 2 wherein the pattern is punched using a CNC punch or stamping machine.
4. (Currently Amended) A method ~~according to~~as in claim 1 wherein the pattern is cut using a laser or a water jet.
5. (Currently Amended) An electrical MRIS shim coil ~~whenever made by a~~the method ~~according to~~of claim 1.
6. (New) A method of making an electrical MRIS shim coil, said method comprising:
creating plural adjacently positioned MRIS shim coil windings by cutting a continuous sheet of electrically conductive material along spaced apart paths, which windings are physically

retained in adjacent as-cut positions by an insulating substrate adhered to said conductive material,

said cutting step including removal of conductive material along at least one cutting path by a process including at least one of: punching, stamping, laser beam and water jet cutting processes.

7. (New) A method as in claim 6 wherein said cutting comprises:

a first cutting step wherein bridges of material are left along the cutting paths to physically maintain the adjacent as-cut positions of the winding conductors while an insulating substrate is adhered thereto followed by a second cutting step wherein said bridges are cut off to completely form an electrical separation between the adjacent winding conductors thus formed.

8. (New) A method as in claim 6 wherein said cutting step creates one continuous spiral-like cut path in said continuous sheet of conductive material.

9. (New) A method as in claim 6 wherein said cutting step creates plural parallel cut paths in said continuous sheet of conductive material to create opposing ends that are bent and electrically connected by forming the conductive material, and the supporting insulating substrate, into a closed shape.

10. (New) An MRIS shim coil produced by the process of claim 6.